



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/787,514	03/19/2001	Vesa-Matti Jokinen	P-277904/299	2341
909	7590	12/18/2003		
PILLSBURY WINTHROP, LLP P.O. BOX 10500 MCLEAN, VA 22102			EXAMINER	TAYLOR, BARRY W
			ART UNIT	PAPER NUMBER
			2643	
			DATE MAILED: 12/18/2003	
				5

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/787,514	JOKINEN, VESA-MATTI	
	Examiner Barry W Taylor	Art Unit 2643	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on \_\_\_\_\_.
- 2a) This action is FINAL.      2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-17 is/are pending in the application.
  - 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-17 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 19 March 2001 is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. §§ 119 and 120

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 13) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
  - a) The translation of the foreign language provisional application has been received.
- 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

#### Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ .
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) 1 .	6) <input type="checkbox"/> Other: _____

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. Claims 1-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Block et al (6,377,938 hereinafter Block) in view of Walker et al (6,327,348 hereinafter Walker).

Regarding claims 1 and 7. Block teaches a system and method of billing subscribers in a telecommunication network, wherein subscriber has billing accounts that are charged when services of the telecommunication network are used (abstract), comprising:

at least one subscriber billing group having at least two subscribers (col. 13 line 56 – col. 14 line 9);

assigning each subscriber a billing account in a billing database (col. 6 lines 39-44, col. 7 lines 45-50, col. 12 lines 20-240).

Block does not explicitly show a master subscriber. However, Block discloses group billing permitting subscribers to charge telephone, paging, cellular, and other communication services to a single account. For example, all charges from the Billing

Group (BG) can be charged to a main billing number and the Class Of Service (COS) can be established by the main billing number (col.14 lines 4-9).

Walker teaches method and system for controlling authorization of credit card transactions wherein first and second persons are linked to a financial account that is used for transactions (lines 7-9 of abstract). Walker discloses a master subscriber (see col. 4 lines 46-48 wherein a parent (i.e. master) permits a child to use account). Walker discloses the user (a child) of the parent (i.e. master) uses an identifier that is linked to the parent's (i.e. master) account (col. 4 lines 59-60). Walker further is not limited to family. Instead, Walker discloses that any individual or organization who maintains a credit card account with an issuer and a user may be any individual or organization that uses a credit card linked to the account (col. 4 lines 61-65).

It would have been obvious for any one of ordinary skill in the art at the time of invention was made to modify the invention as taught by Block to incorporate the steps of linking as taught by Walker for the benefit of allowing the single account as taught by Block to be linked to any individual or organization using the account as taught by Walker thereby controlling and/or defining the Class Of Service being offered by the main billing number.

Regarding claims 2 and 8. Block teaches telecommunication environment (col. 3 line 67).

Regarding claims 3 and 9. Block does not explicitly show a master subscriber.

Walker teaches method and system for controlling authorization of credit card transactions wherein first and second persons are linked to a financial account that is used for transactions (lines 7-9 of abstract). Walker discloses a master subscriber (see col. 4 lines 46-48 wherein a parent (i.e. master) permits a child to use account). Walker discloses the user (a child) of the parent (i.e. master) uses an identifier that is linked to the parent's (i.e. master) account (col. 4 lines 59-60). Walker further is not limited to family. Instead, Walker discloses that any individual or organization who maintains a credit card account with an issuer and a user may be any individual or organization that uses a credit card linked to the account (col. 4 lines 61-65).

It would have been obvious for any one of ordinary skill in the art at the time of invention was made to modify the invention as taught by Block to incorporate the steps of linking as taught by Walker for the benefit of allowing the single account as taught by Block to be linked to any individual or organization using the account as taught by Walker thereby controlling and/or defining the Class Of Service being offered by the main billing number.

Regarding claims 4 and 10. Block teaches using limited balance (see col. 6 line 37 "subscriber's usable balance").

Regarding claims 5 and 11. Block teaches prepayment account and/or account equipped with a credit limit (col. 3 lines 1-3, col. 7 lines 5-67).

Regarding claims 6 and 12. Block does not teach master subscriber. However, Block discloses group billing permitting subscribers to charge telephone, paging, cellular, and other communication services to a single account. For example, all

charges from the Billing Group (BG) can be charged to a main billing number and the Class Of Service (COS) can be established by the main billing number (col.14 lines 4-9).

Walker teaches method and system for controlling authorization of credit card transactions wherein first and second persons are linked to a financial account that is used for transactions (lines 7-9 of abstract). Walker discloses a master subscriber (see col. 4 lines 46-48 wherein a parent (i.e. master) permits a child to use account). Walker discloses the user (a child) of the parent (i.e. master) uses an identifier that is linked to the parent's (i.e. master) account (col. 4 lines 59-60). Walker further is not limited to family. Instead, Walker discloses that any individual or organization who maintains a credit card account with an issuer and a user may be any individual or organization that uses a credit card linked to the account (col. 4 lines 61-65).

It would have been obvious for any one of ordinary skill in the art at the time of invention was made to modify the invention as taught by Block to incorporate the steps of linking as taught by Walker for the benefit of allowing the single account as taught by Block to be linked to any individual or organization using the account as taught by Walker thereby controlling and/or defining the Class Of Service being offered by the main billing number.

Regarding claims 13-14. Block does not teach master subscriber. However, Block teaches credit limit (col. 3 lines 1-3, col. 7 lines 5-67).

Walker teaches method and system for controlling authorization of credit card transactions wherein first and second persons are linked to a financial account that is used for transactions (lines 7-9 of abstract). Walker discloses a master subscriber (see col. 4 lines 46-48 wherein a parent (i.e. master) permits a child to use account). Walker discloses the user (a child) of the parent (i.e. master) uses an identifier that is linked to the parent's (i.e. master) account (col. 4 lines 59-60). Walker further is not limited to family. Instead, Walker discloses that any individual or organization who maintains a credit card account with an issuer and a user may be any individual or organization that uses a credit card linked to the account (col. 4 lines 61-65).

It would have been obvious for any one of ordinary skill in the art at the time of invention was made to modify the invention as taught by Block to incorporate the steps of linking as taught by Walker for the benefit of allowing the single account as taught by Block to be linked to any individual or organization using the account as taught by Walker thereby controlling and/or defining the Class Of Service being offered by the main billing number.

2. Claims 15-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Block et al (6,377,938 hereinafter Block) in view of Walker et al (6,327,348 hereinafter Walker) further in view of Antonello et al (5,862,469 hereinafter Antonello).

Regarding claims 15-17. Block in view of Walker do not explicitly show Wireless Application Protocol server. However, Block clearly discloses that the present invention is not limited to wireline subscribers (see figure 5a).

Art Unit: 2643

Antonello teaches a method and system for transmitting billing information via wireless local loop (WLL) to a wireless public office (see first six lines of abstract) so as not to interfere with the speech or data (col. 2 lines 25-28).

Therefore, it would have been obvious for any one of ordinary skill in the art at the time of invention to modify the invention as taught by Block in view of Walker to incorporate wireless local loop as taught by Antonello for the benefit of accurately billing telephone calls without corrupting voice or data communication as taught by Antonello.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Barry W. Taylor whose telephone number is (703) 305-4811. The examiner can normally be reached on Monday-Friday from 6:30am to 4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Curtis Kuntz can be reached on (703) 305-4708. The fax phone number for this Group is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to Technology Center 2600 customer service Office whose telephone number is (703) 306-0377.



CURTIS KUNTZ  
SUPPLYING PATENT EXAMINER  
TECHNOLOGY CENTER 2600